



## USER GUIDE

# TV12

Day & Night Fan Speed Control with Idle Setting



Rev. 3.0

[www.grozonecontrol.com](http://www.grozonecontrol.com)



# TABLE OF CONTENTS

SAFETY NOTICE .....1  
PRODUCT DETAILS .....2  
INSTALLATION .....3  
SETTINGS.....4  
SETTINGS.....5  
COMPLETE TROUBLESHOOTING GUIDE .....6  
COMPLETE TROUBLESHOOTING GUIDE .....7  
COMPLETE TROUBLESHOOTING GUIDE .....8  
WARRANTY & CUSTOMER SERVICE .....9

## 2 I've been through the troubleshooting steps, what do I do if I meet a problem at any of these steps? Is my product covered by the WARRANTY?

- Grozone controllers are covered by a 3-year warranty (\*). We will replace any DAMAGED PRODUCT WITH A BRAND NEW PRODUCT.
- Covered or not covered? We do not authorize the replacement of fully working products nor altered (tampered) products. The Troubleshooting steps will help you identify a damaged product. Do not hesitate to contact us or contact your retailer to make sure the controller is not fully working or damaged before returning it to the store.
- My product is not fully working or damaged, I want a replacement unit: in order to get a replacement product, **you MUST return all modules and applicable accessories to the retailer.** To avoid being charged for the accessories, be sure to include all pieces. Thanks for your cooperation.
- Any Grozone Control product that is returned with obvious signs of user neglect will not be covered by the warranty. Grozone Control exercises the right to make final decisions in these matters.

(\*)The warranty period begins from the date of purchase at the retail level. The retailer/consumer must keep their proof of sale/purchase. Otherwise, Grozone Control will consider the manufacturing date to apply the warranty coverage.

### IMPORTANT MESSAGE TO RETAILERS

Retailers must call Grozone Control to get authorisation to replace the defective product and a RMA number.  
1-855-262-1800.

NOTE

## WARRANTY & CUSTOMER SERVICE

DO YOU HAVE A PROBLEM WITH YOUR CONTROLLER? **PLEASE READ THESE INSTRUCTIONS CAREFULLY AND SAVE THEM FOR FUTURE REFERENCE**

**1. I think my controller is damaged, or it simply does not work as indicated in the user guide, what should I do?**

- Please refer to the troubleshooting steps. Follow these instructions carefully, step by step. The controller should work as described in the “Expected results” column of the Complete Troubleshooting Guide.

**Do you need assistance on executing the Troubleshooting steps?**

- 1. Contact us at 1-855-262-1800**
- 2. Send us an EMAIL at [service@grozonecontrol.com](mailto:service@grozonecontrol.com)**
- 3. VISIT our Technical Support Center at [www.grozonecontrol.com](http://www.grozonecontrol.com)**

Technical Support is available Monday through Friday, from 8:00 AM to 8:00 PM, Eastern Time.

## SAFETY NOTICE

### IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

DANGER  
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,  
CAREFULLY FOLLOW THESE INSTRUCTIONS.

To reduce the risk of electric shock, disconnect power to the 120V electrical outlet before installing or removing the unit. When removing the electrical wall plate, it may fall across plug pins or become displaced.

To reduce the risk of electric shock, this product has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

## PRODUCT DETAILS

### Operation and Specifications

Temperature setpoint between 55°F and 95°F / 13°C to 35°C.

The 120V output is variable. Max 750 Watts, 6.2 Amps.

User may select the minimum fan speed (Idle Speed) between 25% and 60% of full power.

2 seconds «KickStart» at startup. (100% power to improve or ensure fan startup).

Low temperature limit 10°F below setpoint

6-ft temperature probe works from +32°F to +212°F (0°C to 100°C).

Electrical Specifications: See the rating label on your product.

## COMPLETE TROUBLESHOOTING GUIDE

STEP	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
8	<ul style="list-style-type: none"> <li>Turn UPPER knob fully CW (Set Idle Speed)</li> <li>In the blue section, turn LOWER knob from top to bottom.</li> </ul>	The fan speed will slow down.
9	<ul style="list-style-type: none"> <li>Turn LOWER knob fully CCW (55°F).</li> </ul>	The fan will turn OFF.
10	<ul style="list-style-type: none"> <li>Slowly turn the lower knob CW towards the blue zone until the fan turns on.</li> </ul>	The fan will turn ON at full speed for 3 seconds (kickstart) then the fan speed will slow down.

# INSTALLATION

STEP	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
4	<ul style="list-style-type: none"> <li>Turn LOWER knob fully CCW (55°F).</li> <li>Cover the <b>Light Sensor</b> completely with hand palm or black electrical tape (a single Photocell   NOT cover the sensor appropriately).</li> </ul>	The fan will turn ON after 6-8 seconds.
5	<ul style="list-style-type: none"> <li>Maintain the light sensor covered while turning the LOWER knob fully CW (95°F).</li> </ul>	The fan will turn OFF.
6	<p>Plug into 120 VAC outlet (see security notice on page 1).</p> <p>Place the sensor at desired location.</p> <p>Connect the fan into the front panel outlet (<b>MAX 750W, 6.2A</b>).</p>	The fan will turn ON when the knob pointer (line) indicates a temperature level similar to the ambient room temperature (e.g. if the knob line indicates 75° when the fan turns ON, the ambient temperature should be around 77°F).
7	<p><b>Note:</b> For multiple fan application, use a power bar.</p> <ul style="list-style-type: none"> <li>Warm up temp probe in your hands.</li> </ul> <p style="text-align: center;"><b>Installation is now complete</b></p>	The fan will speed up to full power.



## SETTINGS

### IDLE MODE & SPEED SETTINGS



Turn upper knob clockwise to "Set Idle Speed"

Set Idle speed (25% to 60% of full power)

## COMPLETE TROUBLESHOOTING GUIDE

### Day & Night Fan Speed Control

#### TV12

#### 1 – Before you start

**\*\*\*IMPORTANT: READ AND FOLLOW THESE INSTRUCTIONS BEFORE STARTING THE TEST.**

- DO NOT CONNECT THE UNIT BEFORE STEP 1 OF THE TEST.
- CONNECT A FAN IN THE FRONT UNIT OUTPUT.
- LIGHTING CONDITION: perform this test in a room with enough light for the controller to detect a DAY condition.
- TEMPERATURE: perform this test in a room where ambient temperature is between 65°F and 85°F (18°C and 30°C).
- Definitions : CW : Clockwise.  
CCW : Counterclockwise.

#### 2 – Test

STEP	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
1	<ul style="list-style-type: none"> <li>• Plug the unit into the power outlet.</li> <li>• Turn UPPER and LOWER knob fully CCW (55°F).</li> </ul>	The fan will turn ON.
2	<ul style="list-style-type: none"> <li>• Turn LOWER knob to 95°F.</li> </ul>	The fan stays ON.
3	<ul style="list-style-type: none"> <li>• Turn UPPER knob fully CW (95°F).</li> </ul>	The fan will turn OFF.

# SETTINGS

## ADJUSTING TEMPERATURE SETPOINTS



Set Day Temperature setpoint

Set Night Temperature Setpoint